

**Questions missed by 50% or more of the candidates in each category**  
**(i.e. RO, SRO)**

Question 6: Missed by 4 of 4 (all candidates picked distractor "D")

KA -Ability to (a) predict the impacts of the following malfunctions or operations on the PRTS; and (b) based on those predictions, use procedures to correct, control, or mitigate the consequences of those malfunctions or operations: Abnormal pressure in the PRT.

Topic: PRT Operation

Knowledge Deficiency

Question 9: Missed by 2 of 4

KA -Ability to predict and/or monitor changes in parameters (to prevent exceeding design limits) associated with operating the PZR PCS controls including: Spray nozzle DT.

Topic: Aux Spray Limitations

Knowledge Deficiency

Question 14: Missed by 2 of 4

KA -Knowledge of the operational implications of the following concepts as they apply to the ESFAS: Definitions of safety train and ESF channel.

Topic: Aux Feed Trains

Knowledge Deficiency

Question 22: Missed by 2 of 4 (See Request to accept second correct answer)

KA -Knowledge of dc electrical system design feature(s) and/or interlock(s) which provide for the following: Breaker interlocks, permissives, bypasses and cross-ties.

Topic: NK System Requirements

No knowledge or programmatic deficiency exists. See request for additional correct answer.

Question 24: Missed by 3 of 4

KA -Knowledge of the effect of a loss or malfunction of the following will have on the ED/G system: Air Receivers

Topic: DG operation with starting air receiver (1) out of service.

Knowledge Deficiency

Question 29: Missed by 2 of 4

KA -Knowledge of bus power supplies to the following: One-line diagram of power supply to trip breakers

Topic: LOP to Rod Control System

Knowledge Deficiency

Question 32: Missed by 2 of 4

KA -Knowledge of bus power supplies to the following: NIS channels, components, and interconnections.

Topic: Plant Response to Loss of NN Bus  
Knowledge Deficiency

Question 37 Missed by 2 of 4

KA -Knowledge of the effect that a loss or malfunction of the Waste Gas Disposal System will have on the following: ARM and PRM systems.

Topic: Gas Decay Tank rupture indications on ARM and PRM.

Knowledge Deficiency

Question 44 Missed by 2 of 4

KA -Ability to determine and interpret the following as they apply to the Loss of Component Cooling Water: The length of time after the loss of CCW flow to a component before that component may be damaged

Topic: RCP Trip Criteria per OTO

Knowledge Deficiency

Question 45 Missed by 2 of 4

KA -Ability to determine and interpret the following as they apply to the Pressurizer Pressure Control Malfunctions: Heater Energized/De-energized status.

Topic: Pressurizer Heater Control

Knowledge Deficiency

Question 48 Missed by 2 of 4

KA -Ability to operate and / or monitor the following as they apply to the Steam Line Rupture: Manual and automatic RPS trip initiation.

Topic: Main Steam Line Rupture

Knowledge Deficiency

Question 56 Missed by 4 of 4

KA -Ability to operate and / or monitor the following as they apply to the (Uncontrolled Depressurization of all Steam Generators): desired operating results during abnormal and emergency situations.

Topic: Uncontrolled Depressurization of all 4 SGs

Knowledge Deficiency

Question 57 Missed by 4 of 4

KA -Ability to operate and / or monitor the following as they apply to the Fuel Handling Incidents: ARM system.

Topic: ARM operations.

Program Deficiency/Course Enhancement # 7480

Question 62 Missed by 2 of 4

KA -Ability to determine and interpret the following as they apply to the (Saturated Core Cooling) Adherence to appropriate procedures and operation within the limitations in the facility's license and amendments.

Topic: Pressurizer PORV Operation

## Knowledge Deficiency

Question 64 Missed by 2 of 4

KA -Ability to determine and interpret the following as they apply to the (Natural Circulation Operations) Adherence to appropriate procedures and operation within the limitations in the facility's license and amendments.

Topic: Natural circulation Cooldown

Knowledge Deficiency

Question 65 Missed by 2 of 4

KA -Knowledge of the interrelations between the (High Containment Pressure) and the following: Components, and functions of control and safety systems, including instrumentation, signals, interlocks, failure modes, and automatic and manual features.

Topic: Containment Spray Pumps

Knowledge Deficiency

Question 84 Missed by 1 of 1

KA -Ability to determine and interpret the following as they apply to the Accidental Gaseous Radwaste: Valve lineup for release of radioactive gases.

Topic: Aux Building HVAC

Knowledge Deficiency

Question 88 Missed by 1 of 1

KA -Emergency Procedures / Plan Knowledge of which events related to system operations/status should be reported to outside agencies.

Topic: Reportability Requirements

Knowledge Deficiency

Question 95 Missed by 1 of 1

KA -Knowledge of control rod programming.

Topic: Power Distribution Bases.

Knowledge Deficiency

Question 98 Missed by 1 of 1

KA -Ability to perform procedures to reduce excessive levels of radiation and guard against personnel exposure.

Topic: Dose Calculation

Knowledge Deficiency

Question 100 Missed by 1 of 1

KA -Ability to take actions called for in the facility emergency plan, including (if required) supporting or acting as emergency coordinator.

Topic: Emergency Coordinator responsibilities

Knowledge Deficiency